

Application No. 10/524,185
Amendment dated October 25, 2006
Reply to Office Action of July 27, 2006

Docket No.: 60680-2004

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A composite cover with an electrical bridge, comprising:
a base component;
a housing mounted to the base component defining an enclosure therein, the housing made of non-conductive material;
at least one electrical connector integrally formed with the housing, the at least one electrical connector including one or more electrical leads integrally formed with the housing that extend through the housing for allowing electrical energy to pass from an electrical source outside the housing to an electrical device within the enclosure, thereby forming an electrical bridge between the electrical source and the electrical device.
2. (Original) The cover according to Claim 1, further comprising a seal disposed between the base component and the housing.
3. (Currently Amended) The cover according to Claim 1, wherein the housing is formed made of non-conductive one of a plastic and a rubber material.
4. (Original) The cover according to Claim 1, wherein the cover comprises a valve cover for an internal combustion engine of a vehicle.
5. (Original) The cover according to Claim 4, wherein the base component comprises a cylinder head of the internal combustion engine.
6. (Original) The cover according to Claim 1, wherein the cover comprises an oil pan.
7. (Original) The cover according to Claim 6, wherein the housing comprises a bottom pan flange.
8. (Original) The cover according to Claim 7, further comprising a premold positioned along a periphery of the bottom pan flange.

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9. (Currently Amended) A composite cover with an electrical bridge. ~~The cover according to Claim 7, further comprising:~~

a base component;

a housing mounted to the base component defining an enclosure therein, the housing made of non-conductive material, the housing comprising a bottom pan flange;

at least one electrical connector integrally formed with the housing, the at least one electrical connector including one or more electrical leads that extend through the housing for allowing electrical energy to pass from an electrical source outside the housing to an electrical device within the enclosure, thereby forming an electrical bridge between the electrical source and the electrical device;

an oil pan; and

a gasket disposed between the bottom pan flange and a fluid filter.

10. (Original) The cover according to Claim 6, wherein the base component comprises a transmission.